





Created: 2 hours, 5 minutes after earthquake

PAGER

Version 2

M 6.0, 83 km WSW of Vallenar, Chile

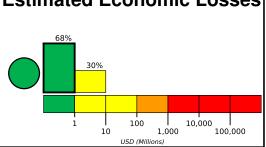
1,000

Origin Time: 2024-02-14 01:31:41 UTC (Tue 22:31:41 local) Location: 28.9162° S 71.5264° W Depth: 22.4 km

Estimated Fatalities 10,000

Green alert for shaking-related fatalities Estimated Economic Losses and economic losses. There is a low likeli-

hood of casualties and damage.



Estimated Population Exposed to Earthquake Shaking

ESTIMATED POPULATION EXPOSURE (k=x1000)		_*	349k*	558k	3k	3k	0	0	0	0
ESTIMATED MODIFIED MERCALLI INTENSITY		ı	11-111	IV	V	VI	VII	VIII	IX	X+
PERCEIVE	SHAKING	Not felt	Weak	Light	Moderate	Strong	Very Strong	Severe	Violent	Extreme
POTENTIAL	Resistant Structures	None	None	None	V. Light	Light	Moderate	Mod./Heavy	Heavy	V. Heavy
DAMAGE	Vulnerable Structures	None	None	None	Light	Moderate	Mod./Heavy	Heavy	V. Heavy	V. Heavy

^{*}Estimated exposure only includes population within the map area.

Population Exposure

population per 1 sq. km from Landscan 5000 72.6°W 71.2°W opiapo Vallenar 28.8°S 29.9°S 100

PAGER content is automatically generated, and only considers losses due to structural damage. Limitations of input data, shaking estimates, and loss models may add uncertainty.

Structures

Overall, the population in this region resides in structures that are resistant to earthquake shaking, though vulnerable structures exist. The predominant vulnerable building types are adobe block and rubble/field stone masonry construction.

Historical Earthquakes

Date	Dist.	Mag.	Max	Shaking
(UTC)	(km)		MMI(#)	Deaths
1983-10-04	282	7.6	VII(30k)	5
1975-03-13	111	6.9	VIII(266k)	2
1997-10-15	222	7.1	VIII(3k)	7

Recent earthquakes in this area have caused secondary hazards such as landslides that might have contributed to losses.

Selected City Exposure

Tom debitantes.org				
MMI	City	Population		
IV	Vallenar	45k		
IV	La Serena	155k		
IV	Coquimbo	161k		
Ш	Vicuna	13k		
Ш	Vallenar	<1k		
Ш	Ovalle	77k		
Ш	Copiapo	129k		

bold cities appear on map.

(k = x1000)